REGULINE
600VA / 1000VA
REGULATOR

USER MANUAL

tuncmatikgroup
power solutions

tuncmatik
www.tuncmatik.com pure power

TUNÇMATİK REGULINE SERIES AUTOMATIC VOLTAGE REGULATOR
Models: REGULINE 600VA / REGULINE 1000VA

Principle of Operation
Automatic Voltage Regulators regulate voltage fluctuations on the mains and supply connected loads with stable voltage. Low voltages as well as high voltages can be harmful for sensitive loads.
Voltage Regulators monitor line voltage continuously and with adjustable transformer regulates the load supply voltage.

Technical Features
- CPU Controlled Automatic Voltage Regulation
- Wide Voltage Range
- Compact Design
- Voltage Display
- Short Circuit and Over Load Protection
- Low / High Voltage Protection
- High Temperature Protection
- Wide Range of Usage (Sensitive electronic equipment for voltage fluctuation)

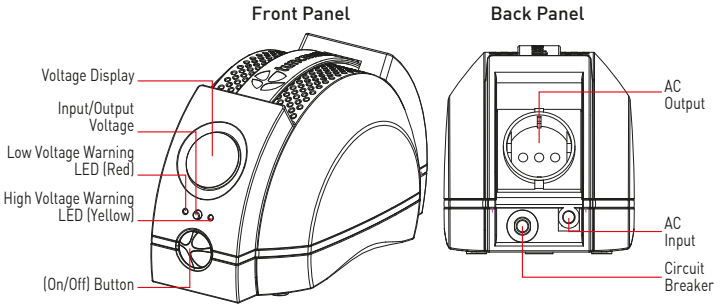
REGULINE 600VA / 1000VA
Front Panel Description
- On/Off Button:

Turns On and Off the regulator. Regulator turns on output after 6 sec delay time.
- Voltage display:

Shows input or output voltage when Input/output voltage selection button is pressed.
Green section on display shows approximately 180-250V range and red section shows 110-280V range.
- Input/Output Voltage Selection Button:

It allows to select input or output voltage on voltage display.
- Low/High Voltage Warning LEDs:

According to the selection is done by Input/Output Voltage Selection Button, if input or output voltage is low the red LED turn on, and if voltage is high the yellow LED turn on. If voltage is in acceptable range LED's turn off.



Technical Specifications

Reguline 600VA / 1000VA - **Relay Type**

CAPACITY	600 VA 300 W *	1000 VA 500 W **
INPUT		
Voltage	220 VAC	
Voltage range	140-260 VAC	
Frequency	50 Hz / 60 HZ	
Fuse	3.5 A	4.5 A
OUTPUT		
Voltage range	220 V ± %10	
Protection	Short circuit, Over temperature, Output voltage, Over load protection	
INDICATORS		
High voltage mode (Boost)	Red LED	
Low voltage mode (Buck)	Yellow LED	
DIMENSIONS AND WEIGHT		
Dimensions D x W x H (mm)	215 x 114 x 116	
Net Weight (kg)	2.05	2.66
ENVIRONMENTAL		
Humidity	0-90% RH @ 0-40°C (non-condensing)	
Noise level	Less than <40 dB	

* 300W= Power consumed by 3 pcs 100W bulb
** 500W= Power consumed by 5 pcs 100W bulb

Operating Regulator
While the regulator is turned off, connect the power plug to a grounded wall outlet. Connect your equipment power cables to the grounded outlet on the back panel of Reguline 600VA / 1000VA .

Turn on and Turn off Regulator
To turn on the regulator when it is off, press once on the On/Off button.
To turn off the regulator when it is on, press once on the On/Off button.

Displaying Regulator Input/Output Voltage
If Input/output voltage selection button is not pressed, voltage display shows output voltage. If button is pressed voltage display shows input voltage.

All models are single phase.
Response and transfer time is less than 0.5 sec. Waveform is sinusoidal and does not contain harmonics.
Output delay time is in the range of 6 sec/120 sec.
Output voltage high protection level is 260V.

If input voltage is between 140-260V regulator can give %100 output power.
Maximum output power varies by the power drawn by load.

Always place your regulator where;
- ventilation is good,
- there is no direct sunlight or nearby heat sources,
- children cannot reach,
- away from water, humidity and oil,
- there is no flammable material,
- there is no risk of falling down.

WARNINGS

• Do not overload the regulator above the maximum output power. (See Technical Specifications Table)
• Make sure the total power of connected load does not exceed the regulator power.
For example; electrical heater, oven, combi boilers can take excessive power. For this kind of equipment select suitable regulator power. In order to choose appropriate power, check Technical Specifications Table in user manual or ask your authorized sales representative.
• Equipment with a compressor motor can take very high currents during start up. If you connect this type of equipment to the regulator please consider its start up current. All connected equipment's total start up currents should not exceed the regulators maximum rated current.
• All equipment to be connected to the regulator should have the same voltage and frequency rating with regulator and mains. The mains voltage supplying the regulator should be in the regulators input voltage range. Do not connect washing machines rated higher than regulators.
• Consider CRT TV power two times of the nominal power.
• There are dangerous voltage levels in Regulator. There are no user serviceable parts in it. Do not open it.
• Regulator can only be connected with 2-pole, 3-wire grounded outlets. Do not attempt to connect it with different type of outlets. There is risk of electrical shock.
• In case of emergency to turn off the unit, press Off button and disconnect the power cord from the source.
• Make sure no liquid or foreign objects enter in the regulator.
• Do not leave containers with liquid and drinks on or around the regulator.
• This regulator is designed to be used in a controlled (controlled temperature, indoor, no conductive dust and material) environmental condition.
• In order to avoid overheating make sure ventilation holes are not covered, do not place the regulator in direct sunlight or nearby heat sources.
• Before cleaning, turn off the regulator and disconnect the power cord. Do not use liquid or spray cleaners for cleaning.

ISO 9001 Registered
ISO 14001 Registered
OHSAS 18001 Registered
CE

tuncmatik
www.tuncmatik.com pure power